BOREHOLE LOG

PROJET: ADAPT
SITE: Ward Hunt
BOREHOLE NO.: WH1A
COORDINATES: Lat: 83.05546 N Long: 74.07837 W
ELEVATION:
START DATE: 2013-07-16
END DATE: 2013-07-16

Instrumentation
- Temperature sensor (Decagon ECT)
- Temperature sensor (YSI 44033)
- Volumetric water content, temperature and bulk electrical conductivity (Decagon 5ET)
- Volumetric water content (Decagon EC-5)
- Pressure sensor

Instrumentation
- PVC casing

Sampling method
- Excavation
- Diamond core
- Slit spoon
- Destructive

Recovery
- Recovered
- No recovery

Sample state
- *Ud-F* Undisturbed and frozen
- *Ud-Uf* Undisturbed and unfrozen
- *D-F* Disturbed and frozen
- *D-Uf* Disturbed and unfrozen

C/H/N
- *w* Water content (%)
- *p* Bulk density (g/cm-3)
- C Carbon (%)
- H Hydrogen (%)
- N Nitrogen (%)

Depth (m)	Instrumentation	Stratigraphy	Image	CT (HU) 3071 / -1024	TI profile (HU) -1024 / 1024 / 3071	Soil description	Sampling method	Recovery	Sample state	Sample name	Volume (%) Soil / Ice / Air (0 – 100)	Water content (%)	Salinity (ppm)	Grain size G	Grain size S	Grain size M-C	Consistency wl	Consistency wp	Consistency Ip	Consistency IL	USCS	Consol. kPa	Consol.	Consol. C3	C/H/N w	C/H/N p	C/H/N C	C/H/N H	C/H/N N	Radiocarbon dates 14C (BP)	±	Material
0.00						Thaw front at 0,52 m.			D-Uf																							
						Coarse gravel and sand.			Ud-F																							
						Gravel and sand. Ice lenses millimeter thick and crustal ice.			Ud-F																							
						Coarse gravel and sand. Presence of crustal ice of 2 to 4 mm in thickness with visible pore ice.			Ud-F																							
-1.00						Gravel and sand. Visible pore ice and crustal ice 1mm thick. Seems to have also ataxitic ice.			Ud-F																							
						Coarse gravel and sand.			Ud-F																							
						End of borehole at 1,22 m.																										

Version 1.4 E. L'Hérault and A-S. Carbonneau (2015-06)